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Paper No: ____

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OFFICE OF PETITIONS

ROHM AND HAAS
ELECTRONIC MATERIALS
CMP HOLDINGS, INC.
451 BELLEVUE ROAD
NEWARK DE 19713

In re Application of
Wang
Application No.: 10/723,746
Filing Date: 25 November, 2003
Attorney Docket No. 03049US

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DECISION

This is a decision on the paper viewed as a petition filed on 11 April, 2007, to withdraw the holding of abandonment, improvidently pleaded under 37 C.F.R. §1.183 and properly considered under 37 C.F.R. §1.181.

The Office regrets the delay in addressing this matter, however, the instant petition was presented to the attorneys in the Office of Petitions only at this writing.¹

For the reasons set forth below the petition as considered under 37 C.F.R. §1.181 is
DISMISSED.

NOTES:

- (1) Any petition (and fee) for reconsideration of this decision must be

¹ **NOTE:** Monitoring of the status of applications on PAIR can inform one's management of application responses and provide an indication when mailings of Office actions should be expected. Status Inquiries filed at three (3) or four (4) month intervals provide a demonstration of diligence and attention in supporting a petition seeking relief under 37 C.F.R. §1.181.

submitted within two (2) months from the mail date of this decision. Extensions of time under 37 C.F.R. §1.136(a) are permitted. The reconsideration request should include a cover letter entitled “Renewed Petition under 37 C.F.R. §1.181.”

(If Petitioner is unable to present even a satisfactory showing to support a petition under 37 C.F.R. §1.137(a), and Petitioner’s only alternative will be to file a petition under 37 C.F.R. §1.137(b).)

- (2) Thereafter, there will be no further reconsideration of this matter.²

BACKGROUND

The record reflects that:

- Petitioner failed to reply timely and properly to then non-final Office action (copy enclosed) mailed on 3 May, 2006, with reply due absent an extension of time on or before 3 August, 2006;
- the application went abandoned by operation of law after midnight on 3 August, 2006;
- the Office mailed the Notice of Abandonment on 5 April, 2007;
- on 11 April, 2007, Petitioner filed the instant petition, and averred therein, *inter alia*, non-receipt of the Office action in question, however, Petitioner made none of the required showings (discussed below), and while the acknowledgment of change of address is indirect, it is clear through Petitioner’s averment of the practice that the “Holding Company at the old address had and continues to have a policy of forwarding mail to the new address,” however, for whatever reasons that did not take place, and Petitioner has since filed a Notice of Change of Address—which paper properly and timely should have been filed with the Office prior to the physical change of address to which Petitioner refers.

Thus, while Petitioner may not have received the Office action in question, the reason for that non-receipt was Petitioner’s failure to Notice the Office timely—not Office error.

² For more than a century, punctuality and due diligence, equally with good faith, have been deemed essential requisites to the success of those who seek to obtain the special privileges of the patent law, and they are demanded in the interest of the public and for the protection of rival inventors. See: Porter v. Loudon, 7 App.D.C. 64 (C.A.D.C. 1895), citing Wollensak v. Sargent, 151 U.S. 221, 228, 38 L. Ed. 137, 14 S. Ct. 291 (1894). An invention benefits no one unless it is made public, and the rule of diligence should be so applied as to encourage reasonable promptness in conferring this benefit upon the public. Automatic Electric Co. v. Dyson, 52 App. D.C. 82; 281 F. 586 (C.A.D.C. 1922). Generally, 35 U.S.C. §6; 37 C.F.R. §§1.181, 182, 183.

The Rules of Practice provide protections and benefits for applicants and practitioners, however, those protections and benefits are unavailable when those rules are not complied with/followed.

The availability of applications and application papers online to applicants/practitioners who diligently associate their Customer Number with the respective application(s) can inform an applicant/practitioner as to events/transactions in an application.

Out of an abundance of caution, Petitioners always are reminded that the filing of a petition under 37 C.F.R. §1.181 does not toll any periods that may be running any action by the Office and a petition seeking relief under the regulation must be filed within two (2) months of the act complained of (see: 37 C.F.R. §1.181(f)); and those registered to practice *and* all others who make representations before the Office must inquire into the underlying facts of representations made to the Office and support averments with the appropriate documentation—since all owe to the Office the continuing duty to disclose.³

³ See supplement of 17 June, 1999. The Patent and Trademark Office is relying on petitioner's duty of candor and good faith and accepting a statement made by Petitioner. See Changes to Patent Practice and Procedure, 62 Fed. Reg. at 53160 and 53178, 1203 Off. Gaz. Pat. Office at 88 and 103 (responses to comments 64 and 109)(applicant obligated under 37 C.F.R. §10.18 to inquire into the underlying facts and circumstances when providing statements to the Patent and Trademark Office).

Specifically, the regulations at 37 C.F.R. §10.18 provide:

§ 10.18 Signature and certificate for correspondence filed in the Patent and Trademark Office.

- (a) For all documents filed in the Office in patent, trademark, and other non-patent matters, except for correspondence that is required to be signed by the applicant or party, each piece of correspondence filed by a practitioner in the Patent and Trademark Office must bear a signature by such practitioner complying with the provisions of §1.4(d), §1.4(e), or § 2.193(c)(1) of this chapter.
- (b) By presenting to the Office (whether by signing, filing, submitting, or later advocating) any paper, the party presenting such paper, whether a practitioner or non-practitioner, is certifying that—
- (1) All statements made therein of the party's own knowledge are true, all statements made therein on information and belief are believed to be true, and all statements made therein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom; and
 - (2) To the best of the party's knowledge, information and belief, formed after an inquiry reasonable under the circumstances, that —
 - (i) The paper is not being presented for any improper purpose, such as to harass someone or to cause unnecessary delay or needless increase in the cost of prosecution before the Office;
 - (ii) The claims and other legal contentions therein are warranted by existing law or by a nonfrivolous argument for the extension, modification, or reversal of existing law or the establishment of new law;
 - (iii) The allegations and other factual contentions have evidentiary support or, if specifically so identified, are likely to have evidentiary support after a reasonable opportunity for further investigation or discovery; and
 - (iv) The denials of factual contentions are warranted on the evidence, or if specifically so identified, are reasonably based on a lack of information or belief.
- (c) Violations of paragraph (b)(1) of this section by a practitioner or non-practitioner may jeopardize the validity of the application or document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom. Violations of any of paragraphs (b)(2)(i) through (iv) of this section are, after notice and reasonable opportunity to respond, subject to such sanctions as deemed appropriate by the Commissioner, or the Commissioner's designee, which may include, but are not limited to, any combination of —
- (1) Holding certain facts to have been established;
 - (2) Returning papers;
 - (3) Precluding a party from filing a paper, or presenting or contesting an issue;
 - (4) Imposing a monetary sanction;
 - (5) Requiring a terminal disclaimer for the period of the delay; or
 - (6) Terminating the proceedings in the Patent and Trademark Office.

STATUTES, REGULATIONS AND ANALYSIS

Congress has authorized the Commissioner to "revive an application if the delay is shown to the satisfaction of the Commissioner to have been "unavoidable." 35 U.S.C. §133 (1994).⁴

The regulations at 37 C.F.R. §1.137(a) and (b) set forth the requirements for a petitioner to revive a previously unavoidably or unintentionally, respectively, abandoned application under this congressional grant of authority. The language of 35 U.S.C. §133 and 37 C.F.R. §1.137(a) is clear, unambiguous, and without qualification: the delay in tendering the reply to the outstanding Office action, as well as filing the first petition seeking revival, must have been unavoidable for the reply now to be accepted on petition.⁵

Delays in responding properly raise the question whether delays are unavoidable.⁶ Where there is a question whether the delay was unavoidable, Petitioners must meet the burden of establishing that the delay was unavoidable within the meaning of 35 U.S.C. §133 and 37 C.F.R. §1.137(a).⁷

And the Petitioner must be diligent in attending to the matter.⁸ Failure to do so does not constitute the care required under Pratt, and so cannot satisfy the test for diligence and due care.

(By contrast, unintentional delays are those that do not satisfy the very strict statutory and regulatory requirements of unavoidable delay, and also, by definition, are not intentional.⁹))

(d) Any practitioner violating the provisions of this section may also be subject to disciplinary action. See § 10.23(c)(15). [Added 50 FR 5175, Feb. 6, 1985, effective Mar. 8, 1985; para. (a) revised, 58 FR 54494, Oct. 22, 1993, effective Nov. 22, 1993; paras. (a) & (b) revised, paras. (c) & (d) added, 62 FR 53131, Oct. 10, 1997, effective Dec. 1, 1997; para. (a) revised, 69 FR 56481, Sept. 21, 2004, effective Oct. 21, 2004]

⁴ 35 U.S.C. §133 provides:

35 U.S.C. §133 Time for prosecuting application.

Upon failure of the applicant to prosecute the application within six months after any action therein, of which notice has been given or mailed to the applicant, or within such shorter time, not less than thirty days, as fixed by the Commissioner in such action, the application shall be regarded as abandoned by the parties thereto, unless it be shown to the satisfaction of the Commissioner that such delay was unavoidable.

⁵ Therefore, by example, an unavoidable delay in the payment of the Filing Fee might occur if a reply is shipped by the US Postal Service, but due to catastrophic accident, the delivery is not made.

⁶ See: *Changes to Patent Practice and Procedure; Final Rule Notice*, 62 Fed. Reg. at 53158-59 (October 10, 1997), 1203 Off. Gaz. Pat. Office at 86-87 (October 21, 1997).

⁷ See: In re Application of G, 11 USPQ2d 1378, 1380 (Comm'r Pats. 1989).

⁸ See: Diligence in Filing Petitions to Revive and Petitions to Withdraw the Holding of Abandonment, 1124 Off. Gaz. Pat. Office 33 (March 19, 1991). It was and is Petitioner's burden to exercise diligence in seeking either to have the holding of abandonment withdrawn or the application revived. See 1124 Off. Gaz. Pat. Office *supra*.

⁹ Therefore, by example, an unintentional delay in the reply might occur if the reply and transmittal form are to be prepared for shipment by the US Postal Service, but other pressing matters distract one's attention and the mail is not timely deposited for shipment.

Allegations as to the Request to
Withdraw the Holding of Abandonment

The courts have determined the construct for properly supporting a petition seeking withdrawal of a holding of abandonment.¹⁰

The commentary at MPEP §711.03(c) provides:

* * *

**A. Petition To Withdraw Holding of Abandonment Based on Failure To
Receive Office Action**

In *Delgar v. Schulyer*, 172 USPQ 513 (D.D.C. 1971), the court decided that the Office should mail a new Notice of Allowance in view of the evidence presented in support of the contention that the applicant's representative did not receive the original Notice of Allowance. Under the reasoning of *Delgar*, an allegation that an Office action was never received may be considered in a petition to withdraw the holding of abandonment. If adequately supported, the Office may grant the petition to withdraw the holding of abandonment and remail the Office action. That is, the reasoning of *Delgar* is applicable regardless of whether an application is held abandoned for failure to timely pay the issue fee (35 U.S.C. 151) or for failure to prosecute (35 U.S.C. 133). To minimize costs and burdens to practitioners and the Office, the Office has modified the showing required to establish nonreceipt of an Office action. The showing required to establish nonreceipt of an Office communication must include a statement from the practitioner stating that the Office communication was not received by the practitioner and attesting to the fact that a search of the file jacket and docket records indicates that the Office communication was not received. A copy of the docket record where the nonreceived Office communication would have been entered had it been received and docketed must be attached to and referenced in practitioner's statement. For example, if a three month period for reply was set in the nonreceived Office action, a copy of the docket report showing all replies docketed for a date three months from the mail date of the nonreceived Office action must be submitted as documentary proof of nonreceipt of the Office action.

* * *

The showing outlined above may not be sufficient if there are circumstances that point to a conclusion that the Office action may have been lost after receipt rather than a conclusion that the Office action was lost in the mail (e.g., if the

¹⁰ See: *Delgar v. Schulyer*, 172 USPQ 513 (D.D.C. 1971).

practitioner has a history of not receiving Office actions).

Evidence of nonreceipt of an Office communication or action (e.g., Notice of Abandonment or an advisory action) other than that action to which reply was required to avoid abandonment would not warrant withdrawal of the holding of abandonment. Abandonment takes place by operation of law for failure to reply to an Office action or timely pay the issue fee, not by operation of the mailing of a Notice of Abandonment. See *Lorenz v. Finkl*, 333 F.2d 885, 889-90, 142 USPQ 26, 29-30 (CCPA 1964); *Krahn v. Commissioner*, 15 USPQ2d 1823, 1824 (E.D. Va 1990); *In re Application of Fischer*, 6 USPQ2d 1573, 1574 (Comm'r Pat. 1988). (Emphasis supplied.)

* * *

Moreover, the regulation places upon Petitioner a diligence requirement to seek relief within two (2) months of the act complained of.

It appears that Petitioner has not satisfied the showing required under the rule.

CONCLUSION

Because it appears that Petitioner has not satisfied the burdens set forth in *Delgar v. Schulyer*, the petition as considered under 37 C.F.R. §1.181 is **dismissed**.

ALTERNATIVE VENUE

Petitioner may wish to file a petition to the Commissioner requesting revival of an application abandoned due to unintentional delay under 37 C.F.R. §1.137(b). (See: http://www.uspto.gov/web/offices/pac/mpep/documents/0700_711_03_c.htm#sect711.03c)¹¹

A petition to revive on the grounds of unintentional delay must be filed promptly and such petition must be accompanied by the reply (the amendment), the petition fee, and a statement that “the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition was unintentional.” (The statement is in the form available online.)

¹¹ See fee schedule: <http://www.uspto.gov/main/howtofees.htm>

Further correspondence with respect to this matter should be addressed as follows:¹²

By mail: Commissioner for Patents¹³
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX: IFW Formal Filings
(571) 273-8300
ATTN.: Office of Petitions

By hand: Mail Stop: Petition
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

While telephone inquiries regarding this decision may be directed to the undersigned at (571) 272-3214, it is noted that all practice before the Office is in writing (see: 37 C.F.R. §1.2¹⁴) and the proper authority for action on any matter in this regard are the statutes (35 U.S.C.), regulations (37 C.F.R.) and the commentary on policy (MPEP). Therefore, no telephone discussion may be controlling or considered authority for Petitioner's action(s).



John J. Gillon, Jr.
Senior Attorney
Office of Petitions

Encl.

3 May, 2007, Non-final Office action

¹² On July 15, 2005, the Central Facsimile (FAX) Number changed to (571) 273-8300. The old FAX number no longer is in service and (571) 273-8300 will be the only facsimile number recognized for centralized delivery. (For further information, see: <http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/cfax062005.pdf>.)

¹³ To determine the appropriate addresses for other subject-specific correspondence, refer to the USPTO Web site at www.uspto.gov.

¹⁴ The regulations at 37 C.F.R. §1.2 provide:
§1.2 Business to be transacted in writing.
All business with the Patent and Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,746	11/25/2003	Hongyu Wang	03049US	8965

7590 05/03/2006

Rodel Holdings, Inc.
Suite 1300
1105 North Market Street
Wilmington, DE 19899

EXAMINER

UMEZ ERONINI, LYNETTE T

ART UNIT	PAPER NUMBER
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1765

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/723,746	Applicant(s) WANG, HONGYU	
	Examiner Lynette T. Umez-Eronini	Art Unit 1765	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Request for Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/12/2006 has been entered because the formerly applied reference failed to address .

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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4. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miura et al. (US 6,027,699).

Miura teaches, a polishing composition useful for polishing semiconductors (column 1, lines 1-2) and which comprises silica and water (Abstract column 3, lines 8-11). The content of silica is from 0.1 to 50 by weight (column 3, lines 56-59). Various additives such as surfactants such as sodium alkylbenzene sulfonate and a condensate of formalin with naphthalene sulfonic acid (same as applicant's polynaphthalene and sulfonated polynaphthalene surfactant) and aluminum oxides, zirconium oxides and titanium oxides, can be incorporated into the polishing composition (column 5, line 51 - column 6, line 8). Miura also teaches the polishing composition has a pH of at least 7 (column 6, lines 33-35), which encompasses a pH of less than 10. The aforementioned reads on,

An aqueous polishing slurry suitable for chemical mechanical polishing semiconductor substrates, comprising, by weight percent:

0.1 to 40 weight percent metal oxide particles, the metal oxide particles having a surface and a positive surface charge;

at least polynaphthalene surfactant; and

a balance of water with the slurry, **in claim 1;**

wherein the metal oxide particles comprise an abrasive oxide selected from the group comprising alumina, aluminum hydroxide oxide, ceria, iron oxide, lanthanum oxide, magnesium oxide, nickel oxide, silica, titania, yttria and zirconia, **in claims 2, 5, and 7;**

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wherein the metal oxide particles are alumina, **in claim 3;**

An aqueous polishing slurry suitable for chemical mechanical polishing semiconductor substrates, comprising, by weight percent:

0.25 to 25 and 0.5 to 15 weight percent metal oxide particles, the metal oxide particles having a surface and a positive surface charge and the metal oxide particles comprising an abrasive oxide selected from the group comprising alumina, aluminum hydroxide oxide, ceria, iron oxide, lanthanum oxide, magnesium oxide, nickel oxide, silica, titania, yttria and zirconia;

at least polynaphthalene surfactant; and

a balance of water, respectively **in claims 4 and 6.**

Since Miura's polishing composition comprises the same chemicals as that of Applicant's polishing slurry, then using Miura's composition in the same manner as claimed by Applicant would result the same in the polynaphthalene surfactant being detectable in solution of the aqueous polishing slurry, as recited **in claims 1, 4, and 6.**

Miura differs in failing to specify the content of polynaphthalene surfactant as recited in claims 1, 4, and 6 and the slurry having a pH of less than 5 and 4, respectively in claims 4 and 6.

However, Miura illustrates the specific combination of a metal oxide particles, surfactant, and water is known. Since Miura teaches the same composition as claimed in the present invention, then using Miura's composition in the same manner as claimed by applicant would result the same in polynaphthalene surfactant for adsorption with at least a portion of the surface of the metal oxide particles in situ and for reducing

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scratching of the semiconductor substrates. Furthermore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to select any proportion surfactant and pH in the Miura reference that would effectively accomplish the disclosed composition because it has been held that there is no invention where the difference in proportions is not critical and was ascertained by routine experimentation because the determination of workable ranges is not considered inventive. See *In re Swain and Adams*, 70 USPQ 412 (CPA 1946).

Response to Arguments

5. Applicant's arguments filed 3/22/2006 have been fully considered but they are not persuasive. Applicant traverses the 103(a) rejection of claims 1-7 over Miura et al. (US 6,027,699). Applicant argues, Miura fails to disclose using polynaphthalene surfactant for adsorption with metal oxide particles having positive surface charge. Applicant's argument is unpersuasive because no patentable is given to intended use of the composition.

Applicant argues the Miura references fails to disclose the use of alumina sol, fumed titania and fumed zirconia as optional additives to the fumed or colloidal silica. Applicant's argument is unpersuasive because these additives are not claimed.

Applicant argues the claims have been amended to include the negative charged polynaphthalene surfactant in the polishing solution. Applicant's argument is unpersuasive because the said surfactant is not claimed.

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Applicant argues the Miura reference fails to disclose polynaphthalene surfactant adsorbs onto alumina particles to reduce scratching of semiconductor substrates and operates with negatively charged silica particles; and polynaphthalene surfactants will not adsorb onto negatively charged silica particles.

Miura's failure is acknowledged. However, Miura's polishing composition comprises silica and water (Abstract, column 1, lines 1-2; and column 3, lines 8-11); various additives such as surfactants such as sodium alkylbenzene sulfonate and a condensate of formalin with naphthalene sulfonic acid (same as applicant's polynaphthalene and sulfonated polynaphthalene surfactant) and aluminum oxides, zirconium oxides and titanium oxides, can be incorporated into the polishing composition (column 5, line 51 - column 6, line 8). Since Miura illustrates the specific combination of a metal oxide particles, surfactant, and water is known and teaches the same composition as claimed in the present invention, then using Miura's composition in the same manner as claimed by applicant would result the same in polynaphthalene surfactant for adsorption with at least a portion of the surface of the metal oxide particles in situ and for reducing scratching of the semiconductor substrates.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynette T. Umez-Eronini whose telephone number is 571-272-1470. The examiner is normally unavailable on the First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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ltue

April 26, 2005

NADINE G. HORTON
SUPPLEMENTARY PATENT EXAMINER

